

AMENDMENT NO. 6 DECEMBER 2016

TO

IS 13487 : 1992 IRRIGATION EQUIPMENT — EMITTERS — SPECIFICATION

(Page 5, clause 8.3, see also Amendment No. 2 and 5) — Substitute the following for the existing clause:

‘8.3 Determination of Emitter Exponent

This determination applies only to regulated emitters.

The relation between the emission rate, $\bar{q}$, in l/h, and the inlet pressure in an emitter, p , in kPa, is given by the formula:

$$\bar{q} = k.p^m$$

where

q	=	emission rate (l/h);
k	=	constant;
p	=	inlet pressure (kPa); and
m	=	emitting unit exponent.

Using all the $\bar{q}$ and p values obtained in 8.2.3, calculate m from the following formula:

$$m = \frac{\sum (\log p_i) (\log \bar{q}_i) - 1/n (\sum \log p_i) (\sum \log \bar{q}_i)}{\sum (\log p_i)^2 - 1/n (\sum \log p_i)^2}$$

where

$\bar{q}$	=	emission rate value (l/h);
p	=	pressure value (kPa);
i	=	1, 2, 3, 4,....., n; and
n	=	number of pressure values used in 8.2.3.

8.3.1 The value of the emitting unit exponent m shall not exceed 0.2.’